

IN THE SPECIFICATION:

Please replace paragraph [0002] with the following amended paragraph:

[0002] As described in, for example, Patent Document 4 Japanese Unexamined Patent Application Publication No. 2002-159465, a magnetic resonance imaging (MRI) system is a modality for imaging a region to be examined of a subject lying down in a static magnetic field space by utilizing magnetic resonance.

Please replace paragraph [0004] with the following amended paragraph:

[0004] Conventionally, an adjustment sheet having a predetermined thickness is sandwiched between the floor and the leg in order to adjust the posture of the magnet. For the adjustment of the posture of the magnet, for example, a jack is used to cause the magnet and leg to float above the floor. The adjustment sheet is then sandwiched between the floor and the leg. [Patent Document 1, Japanese Unexamined Patent Application Publication No. 2002-159465]2002-159465.

Please replace paragraph [0016] with the following amended paragraph:

[0016] Fig. 3 is a sectional view of a leg shown in Fig. 1 Fig. 1(b).

Please replace paragraph [0020] with the following amended paragraph:

[0020] Fig. 7 Fig. 7(a) is a side view of the magnet and leg in a case where part of the floor under the leg having a posture adjustment mechanism is deformed to sink. Fig. 7(b) is a side view of the magnet and leg in a case where part of the floor under the leg having a stay is deformed to sink.

Please replace paragraph [0022] with the following amended paragraph:

[0022] ~~Fig. 1-Fig. 1(a), Fig. 1(b), and Fig. 2 show the major part parts~~ of an MRI system in accordance with an embodiment of the present invention, and the appearance of the MRI system.

Please replace paragraph [0023] with the following amended paragraph:

[0023] As shown in ~~Fig. 1-Fig. 1(a), Fig. 1(b), and Fig. 2~~, an MRI system 100 in accordance with the present embodiment comprises an MRI system body 110 and an operating system 280.

Please replace paragraph [0031] with the following amended paragraph:

[0031] The magnetic pole units 260a and 260b are mounted on the yokes 250 so that they will be opposed to each other in a Z direction indicated in ~~Fig. 1 Fig. 1(b)~~. Each of the magnetic pole units 260a and 260b is formed by stacking ferromagnetic ceramic blocks, which are magnetized using an electromagnet, on the yoke, and mounting an iron plate on the side of the blocks opposed to the side of blocks stacked on the opposite yoke.

Please replace paragraph [0032] with the following amended paragraph:

[0032] A subject is positioned in a space 94 between the magnetic pole units 260a and 260b. According to the present embodiment, since the housing 141 is formed in line with the contour of the magnet 145 shaped like letter C, the majority of the space 94 is open. Therefore, the magnet system ~~140~~ ¹⁴⁰, like the one shown in ~~Fig. 1 Fig. 1(a)~~, is referred to as an open type magnet system.

Please replace paragraph [0034] with the following amended paragraph:

[0034] A static magnetic field is induced in the direction of arrow Z in ~~Fig. 1 Fig. 1(a) and Fig. 1(b)~~. The Z direction is a direction orthogonal to the body-axis direction of a subject. Therefore, the magnetic field in the Z direction is called a vertical magnetic field. A static magnetic field induced by the magnetic pole units 260a and 260b is confined and intensified by the yokes 250.

Please replace paragraph [0037] with the following amended paragraph:

[0037] A subject 99 is carried into the space 94 while lying down on a cradle 243. The subject 99 is, for example, positioned so that his/her body axis will match the direction of arrow Y in ~~Fig. 1 Fig. 1(a) and Fig. 2~~. In order to produce good-quality magnetic resonance images, a region to be examined of the subject 99 is aligned with a position in the space 94 in which the most homogeneous static magnetic field is induced.

Please replace paragraph [0080] with the following amended paragraph:

[0080] Referring to ~~Fig. 6 and Fig. 7~~ Fig. 6, Fig. 7(a), and Fig. 7(b), the magnet 145 shall have four legs 150 fixed, as shown in ~~Fig. 1 Fig. 1(a)~~, squarely thereto.

Please replace paragraph [0093] with the following amended paragraph:

[0093] ~~Fig. 7 is a side view~~ Fig. 7(a) and Fig. 7(b) are side views of the magnet 145 and legs 150 showing cases where part of the floor 90 on which the magnet system 140 is disposed is deformed to sink.

Please replace paragraph [0094] with the following amended paragraph:

[0094] Referring to Fig. 7 Fig. 7(a) and Fig. 7(b), the degree of deformation of the floor 90 and the inclination of the magnet 145 are different from real ones but are presented merely for a better understanding.